

Supplementary Table 5. TBSS between HC and LSR

	Group (HC vs. LSR) ^a		FoxO1_ rs3751436 ^a		FoxO1_ rs34733279 ^a		Group by FoxO1_ rs3751436 ^b		Group by FoxO1_ rs34733279 ^b	
	F	P	F	P	F	P	F	P	F	P
L. anterior corona radiata	2.690	.102	.668	.415	.015	.904	1.853	.175	5.250	.023
R. anterior corona radiata	4.611	.033	.004	.952	.022	.881	1.370	.243	5.155	.024
L. anterior limb of internal capsule	.010	.920	.010	.921	.019	.891	.244	.621	6.781	.010
R. anterior limb of internal capsule	1.880	.172	.092	.762	.618	.433	.003	.953	.001	.972
Body of corpus callosum	1.271	.261	.029	.864	.021	.885	1.427	.234	1.383	.241
Corpus callosum	.233	.630	.819	.366	.750	.387	2.557	.111	.297	.586
L. cingulum (cingulate gyrus)	1.989	.160	.270	.604	.358	.550	3.773	.053	9.361	.002
R. cingulum (cingulate gyrus)	1.561	.213	.676	.412	.184	.669	3.127	.078	4.794	.030
L. cingulum (hippocampus)	.030	.864	.610	.436	.072	.789	2.596	.108	.133	.716
R. cingulum (hippocampus)	.281	.596	.147	.702	.008	.929	1.500	.222	.068	.795
L. cerebral peduncle	.422	.517	.001	.981	.138	.710	2.045	.154	6.067	.015
R. cerebral peduncle	.695	.405	.033	.857	.010	.919	1.859	.174	3.047	.082
L. corticospinal tract	.068	.795	.505	.478	3.307	.070	.713	.399	.305	.581
R. corticospinal tract	.093	.761	.000	.995	1.298	.256	.071	.790	.338	.561
L. external capsule	.507	.477	1.431	.233	4.189	.042	.356	.551	8.387	.004
R. external capsule	.121	.728	.656	.419	.593	.442	.004	.951	3.403	.066
L. fornix (cres)	.019	.892	1.850	.175	.010	.919	.008	.930	3.517	.062
R. fornix (cres) *	3.203	.075	.536	.465	2.337	.128	.064	.800	1.593	.208
Genu of corpus callosum	4.168	.042	.287	.593	.553	.458	2.322	.129	.717	.398
L. internal capsule	1.902	.169	.190	.663	1.354	.246	1.473	.226	.174	.677
R. internal capsule	1.028	.312	.837	.361	.516	.473	.437	.509	2.244	.136
L. inferior fronto-occipital fasciculus	1.056	.305	1.567	.212	3.457	.064	1.991	.160	.409	.523
R. inferior fronto-occipital fasciculus	.041	.839	.660	.417	2.777	.097	1.754	.187	3.053	.082
L. posterior corona radiata	.016	.899	.376	.541	.009	.923	4.860	.028	6.542	.011
R. posterior corona radiata	.830	.363	.054	.817	.449	.504	3.640	.058	3.129	.078
L. posterior limb of internal capsule	.002	.961	.728	.394	1.037	.310	.187	.666	.157	.692
R. posterior limb of internal capsule	.212	.645	.190	.663	1.670	.198	.021	.884	1.343	.248
L. posterior thalamic radiation	9.474	.002	.678	.411	.302	.583	1.931	.166	5.788	.017
R. posterior thalamic radiation	4.292	.039	.019	.890	3.075	.081	2.185	.141	6.517	.011

L. retrolenticular part of internal capsule	2.873	.091	.515	.474	2.822	.094	1.694	.194	3.458	.064
R. retrolenticular part of internal capsule	.003	.955	1.060	.304	.600	.439	3.543	.061	5.117	.025
Splenium of corpus callosum	4.593	.033	.038	.845	.439	.508	1.360	.245	.310	.578
L. superior corona radiata	.015	.904	.011	.918	.182	.670	1.484	.224	4.984	.027
R. superior corona radiata	.098	.755	.246	.621	.029	.865	2.077	.151	4.766	.030
L. superior fronto-occipital fasciculus	.766	.382	.009	.926	.453	.502	.843	.359	7.133	.008
R. superior fronto-occipital fasciculus	.016	.901	.475	.491	.467	.495	.873	.351	1.405	.237
L. superior longitudinal fasciculus	.131	.717	1.508	.221	.010	.919	1.869	.173	7.719	.006
R. superior longitudinal fasciculus	.157	.692	.010	.919	.004	.947	1.769	.185	1.358	.245
L. sagittal stratum *	8.030	.005	.008	.929	1.096	.296	7.688	.006	12.977	3.86.E-04 *
R. sagittal stratum	2.513	.114	.009	.926	2.185	.141	3.885	.050	8.481	.004
L. uncinate fasciculus	6.876	.009	.430	.513	.101	.750	.612	.435	.182	.670
R. uncinate fasciculus	1.769	.185	.001	.979	.401	.527	.507	.477	.036	.850

Two-way analysis of covariance with the adjustment for age, sex, education level and total intracranial cavity volume as covariates

*Regions that remained significant after Bonferroni correction are marked with an asterisk.

^a Bonferroni correction was applied in the effect of the diagnosis: $p < 0.05 / (42 \text{ tracts}) = 0.00119$

^b Bonferroni correction was applied in the effect of the diagnosis-genotype interaction: $p < 0.05 / (42 \text{ tracts} \times 2 \text{ genetic polymorphisms}) = 0.00060$

HC, healthy control; LSR, low suicide risk; L, left; R, right